

ABSTRACT OF THE DISCLOSURE

A temperate water supply is provided. The temperate water supply system includes a temperate water storage tank and a heat exchanger. The temperate water storage tank has a first tank inlet, a first tank outlet, a second tank inlet and a second tank outlet. The first tank inlet is connectable to a cold water source. The first tank outlet is connectable to at least one temperate water use point in the residence. The heat exchanger has a heat exchanger inlet and a heat exchanger outlet and a plurality of water conduits connected in parallel fluid communication with the heat exchanger inlet and with the heat exchanger outlet. The heat exchanger inlet is connectable to the second tank outlet, and the heat exchanger outlet is connectable to the second tank inlet. In use, the plurality of water conduits are filled with water and are in contact with ambient air in the residence that is warmer than the water at least a portion of the time, so that heat is transferred from the ambient air to the water.